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Building thermography

- Do you have moisture issues and you do not know where it come from?
- You know you have an underfloor pipe leak, but you do not know where it is?
- You have roof insulation problems and you do not know where to look?
- Are you buying or renting a house and you want to check for any moisture or leaking problems?

Pretty much we have tried to answer the above questions in our daily routine. Unfortunately, the old and most traditional way to “fix” e.g. an underfloor pipe leak was to extract the tiles in order to spot the “damaged area”. However, with the modern method of “**Non-destructive check**” and with building thermography, we can now easily and in budget detect the extent of the damage and fix it.

Let's take a closer look at some of the key applications of Building and Residential Thermography:

Building Energy Efficiency Audit

As energy cost continue to rise, consumers are now realizing the real cost of the energy losses. For this reason, building thermography inspection is an important tool in order to identify any energy loss. We can quickly and in budget locate all the problematic spots and repair them at the lowest possible cost. The key examples are: incomplete building insulation, leaking spots or air flow and any thermal bridges.



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Identification of moisture and insulation problems

One of the most common problems in houses and buildings is pipe leakage inside the walls or/and floors. As the leakage is not visible it can create significant moisture spots which, if the problem is not immediately detected, will cause various problems such as mould and corrosion. Other major issues, such as insulation or poor construction problems, can cause significant moisture issues that often create more serious complications for both owners and/or occupants as well as the building itself. Instead of trying to solve the issue with actions such as digging walls or extracting the tiles/floor, by using thermography we can detect the exact problematic areas and remove the trapped moisture. So if you are concerned about roof or wall insulation or even about moisture issues then the only non-destructive method is thermography.

Detection of hidden pipes and leaks

By using thermography, it is possible to identify any pipes that are located inside the walls and floors. The science of Thermography is the most common non-destructive way to detect any leaks, as its main advantage is that it is done **without** any intervention and no unnecessary tile extraction or wall demolition. Thermography identifies the moisture areas with high concentration and helps us to limit the extent the intervention in order to restore it. Also, in cases where the construction particularities do not allow us to identify the leaking area, the Ultrasonic method is used. With this method an inspection is carried out with a special device that allows us to hear the leak and identify the area within a wall or floor without any intervention! So in case you have a leak problem and you do not want to demolish the entire bath to spot it, call us in order to arrange an inspection that will save you money and hassle!

Electrical Installation Inspection

Electricity is at the same time necessary and dangerous if the basic maintenance principles are not met. Electricity can be fatal for people's safety either by electric shock or by fire that can be caused by poor maintained electrical installation. A key advantage for using thermography with any electrical equipment, is the fact that before any damage there is always a temperature increase of the installation materials. Therefore, with a proper thermographic inspection we can prevent a damage before it is caused.